

REMARKS

In the Office Action mailed April 4, 2006, the Examiner objected to the drawings under 37 CFR 1.83(a), objected to claims 9-11 due to typographical errors, rejected claims 1-11 under 35 U.S.C. § 112, second paragraph, rejected claims 1, 2, 5 and 6 under 35 U.S.C.

§ 103(a) as being unpatentable over United States Patent No. 5,975,963 (“Higuchi et al”) in view of United States Patent No. 6,644,985 (“Wilson et al”), rejected claims 1, 3 and 8 under 35 U.S.C. § 103(a) as being unpatentable over Higuchi et al in view of United States Patent No. 6,623,284 (“Korsunsky”), rejected claims 4 and 7 under 35 U.S.C. § 103(a) as being unpatentable over Higuchi et al and Korsunsky, and further in view of United States Patent No. 6,530,788 (“Ju”), rejected claims 9 and 11 under 35 U.S.C. § 103(a) as being unpatentable over Korsunsky in view of Higuchi et al and rejected claim 10 under 35 U.S.C. § 103(a) as being unpatentable over Korsunsky and Higuchi et al and further in view of Wilson et al.

By the present amendment, applicant has amended claims 1 and 9.
Reconsideration of this application is respectfully requested.

The Examiner objected to drawings under 37 CFR 1.83(a) because they did not show certain of the claimed features. Applicant has amended the claims to remove the recitation of the objected to claimed features. As such, no changes are required to the drawings, and the applicant respectfully requests that the Examiner withdraw the objection directed to the drawings.

The Examiner objected to claims 9-11 due to typographical errors. Applicant has amended claim 9 to removed the objected to language from the claims. Accordingly, applicant respectfully requests that the Examiner withdraw the objection directed to claims 9-11.

The Examiner rejected claims 1-11 under 35 U.S.C. § 112, second paragraph, as being indefinite because claims 1 and 9 recited that the conductive terminals were stamped and formed. Applicant has amended claims 1 and 9 to remove the limitation that the conductive terminals must be stamped and formed, thereby broadening claims 1 and 9

while at the same time overcoming the Examiner's 35 U.S.C. § 112, second paragraph rejection. Applicant requests that the Examiner withdraw this rejection.

The Examiner rejected claims 1, 2, 5 and 6 under 35 U.S.C. 103(a) as being unpatentable over Higuchi et al. in view of Wilson et al. In rejecting these claims, the Examiner admits that Higuchi et al does not disclose "the mounting portion defining a pyramidal space extending out of the insulative housing for receiving a solder ball." In order to overcome this shortcoming of Higuchi et al, the Examiner directs the applicant to Wilson et al, and in particular, to Fig. 6D of Wilson et al.

Applicant disagrees with the Examiner's characterization of Wilson et al. Rather, as disclosed in Wilson et al, a solder ball (referred to as an electrical attachment medium 9) is received on the "second portion bottom surface" 51, which is a planar surface, not a pyramidal surface. Thus, for at least this reason, the Examiner's combination of Higuchi et al and Wilson et al does not anticipate claim 1, and claims 2, 5 and 6 which depend from claim 1. Accordingly, applicant respectfully requests that the Examiner withdraw the rejection of claims 1, 2, 5 and 6 as being unpatentable over Higuchi et al in view of Wilson et al.

The Examiner rejected claims 1, 3 and 8 under 35 U.S.C. 103(a) as being unpatentable over Higuchi et al. in view of Korsunsky. In rejecting these claims, the Examiner admits that Higuchi et al does not disclose "the mounting portion defining a pyramidal space extending out of the insulative housing for receiving a solder ball." In order to overcome this shortcoming of Higuchi et al, the Examiner directs the applicant to Korsunsky, and in particular to "a pyramidal space 36 receiving a solder ball 4."

Applicant disagrees with the Examiner's characterization of Korsunsky. Rather, the recess 36 is that which results when the solder ball 4 is placed between the angled tail portions 34 of two contacts 3 that are placed in a single terminal receiving passageway 22. It is not itself where the solder ball 4 is received. More importantly, the portion that receives the solder ball 4 is not pyramidal. Thus, for at least this reason, the Examiner's combination of Higuchi et al and Korsunsky does not anticipate claim 1, and claims 3 and 8 which depend from claim 1. Accordingly, applicant respectfully requests that the

Examiner withdraw the rejection of claims 1, 3 and 8 as being unpatentable over Higuchi et al in view of Korsunsky.

The Examiner rejected claims 4 and 7 under 35 U.S.C. § 103(a) as being unpatentable over Higuchi et al and Korsunsky as applied to claims 1 and 3, and further in view of Ju. As claims 4 and 7 each ultimately depend from independent claim 1, claims 4 and 7 are not unpatentable over Higuchi et al and Korsunsky for the same reason that claim 1 is not unpatentable over the combination of Higuchi et al and Korsunsky. As Ju does not overcome the shortcoming noted above regarding the combination of Higuchi et al and Korsunsky as it relates to claim 1, the combination of Higuchi et al, Korsunsky and Ju do not render claims 4 and 7 obvious. Accordingly, applicant requests that the Examiner withdraw the rejection of claims 4 and 7 as being unpatentable over the combination of Higuchi et al, Korsunsky and Ju.

The Examiner rejected claims 9 and 11 under 35 U.S.C. § 103(a) as being unpatentable over Korsunsky in view of Higuchi et al. As claim 9 recites that the mounting portion defines a pyramidal space . . . for receiving a solder ball, claim 9 is not rendered obvious for the same reason that claim 1 is not rendered obvious over the combination of Higuchi et al in view of Korsunsky, above. As such, applicant requests that the Examiner withdraw the rejection of claims 9 and 11 as being unpatentable over the combination of Korsunsky and Higuchi et al.

The Examiner rejected claim 10 under 35 U.S.C. § 103(a) as being unpatentable over Korsunsky and Higuchi et al in view of Wilson et al. As none of the cited references teaches a mounting portion defining a pyramidal space for receiving a solder ball as previously pointed out, above, claim 10 is not rendered obvious over the combination of Korsunsky, Higuchi et al and Wilson et al. As such, applicant requests that the Examiner withdraw the rejection of claim 10 as being unpatentable over the combination of Korsunsky, Higuchi et al and Wilson et al.

Applicants respectfully request that the Examiner reconsider the rejections in view of the amended claims and in light of the above remarks, and allowance of all pending claims is respectfully requested.

Application No. 10/537,929
Attorney Docket No. A3-257 US

Should the Examiner believe that a telephone conversation would facilitate the prosecution of the above-identified application, the Examiner is invited to call applicant's attorney.

Respectfully submitted,

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